

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Liu *et al.*
SERIAL NO.: 10/566,686 GROUP NO.: Not yet assigned
FILING DATE: January 31, 2006 EXAMINER: Not yet assigned
TITLE: METHOD AND STRUCTURE OF STRAIN CONTROL OF
 SiGe BASED PHOTODETECTORS AND MODULATORS

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C. 371 IN THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)

In response to the Notification of Missing Requirements mailed May 22, 2006, enclosed herewith are a copy of the Notification to File Missing Requirements and an executed Declaration and Power of Attorney. Applicants believe no fee is necessitated by the filing of this Response. However, if any fee is due, please charge said fee to our Deposit Account No. 07-1700.

Respectfully submitted,



Natasha C. Us
Attorney for Applicants
Goodwin Procter LLP
Exchange Place
Boston, Massachusetts 02109

Date: July 21, 2006
Reg. No. 44,381

Tel. No.: (617) 570-1806
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UNITED STATES PATENT AND TRADEMARK OFFICE

MIT-166

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 P.O. Box 1450
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/566,686	Jifeng Liu	MIT-166PC

INTERNATIONAL APPLICATION NO.

PCT/US04/24747

I.A. FILING DATE	PRIORITY DATE
07/29/2004	07/31/2003

Goodwin Proctor LLP
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CONFIRMATION NO. 9220

371 FORMALITIES LETTER



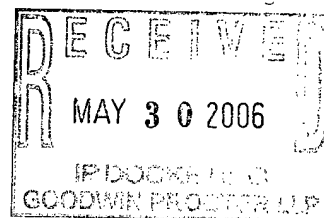
OC000000018894033

Date Mailed: 05/22/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/31/2006
- Copy of the International Search Report filed on 01/31/2006
- Preliminary Amendments filed on 01/31/2006
- Information Disclosure Statements filed on 01/31/2006
- U.S. Basic National Fees filed on 01/31/2006
- Priority Documents filed on 01/31/2006
- Power of Attorney filed on 01/31/2006
- Specification filed on 01/31/2006
- Claims filed on 01/31/2006
- Abstracts filed on 01/31/2006
- Drawings filed on 01/31/2006



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/566,686	PCT/US04/24747	MIT-166PC

FORM PCT/DO/EO/905 (371 Formalities Notice)

TRANSMITTAL FORM

Application Serial Number	10/566,686
Filing Date	January 31, 2006
First Named Inventor	Liu <i>et al.</i>
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	MIT-166
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] <input type="checkbox"/> Petition for Extension of Time <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input checked="" type="checkbox"/> Copy of Notification of Missing Requirements <input type="checkbox"/> Formal Drawing(s) <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <input type="checkbox"/> Notification Regarding Small Entity Status Under 37 C.F.R. 1.27 and 1.28 <input type="checkbox"/> CD(s) for large table or computer program <input type="checkbox"/> Amendment After Allowance <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <input type="checkbox"/> Appeal Brief (in triplicate) <input type="checkbox"/> Status Inquiry <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) - Response to Notification of Missing Requirements (1 pg.)
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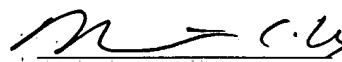
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Respectfully submitted,


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PATENT
Attorney Docket No. MIT-166
(058420/165151)

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SiGe BASED PHOTODETECTORS AND MODULATORS

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 21st day of July, 2006.



Lea R. Jayme

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Response to Notification of Missing Requirements (1 pg.)
3. Copy of the Notification of Missing Requirements (2 pgs.)
4. Declaration and Power of Attorney (6 pgs.); and
5. Return receipt postcard